

AMENDMENT TO THE ABSTRACT

~~In general terms, the~~ The present invention relates to an electrical power transmission system using superconductors which is compatible with conventional transmission systems. In a first aspect, ~~the present invention relates to a method for installing in an electrical power transmission system a connection using a coaxial superconducting cable, comprising the following steps:~~ includes ~~[[the]]~~ determining ~~[[the]]~~ a reactance of a conventional cable suitable for the ~~[[said]]~~ connection; ~~[[the]]~~ installing the coaxial superconducting cable, ~~[[the]]~~ and increasing ~~[[the]]~~ a reactance of the coaxial superconducting cable, in such a way that the reactance of the superconducting cable is substantially equal to the reactance of the conventional cable. In particular, ~~the step of increasing the reactance of the coaxial superconducting cable comprises the step of~~ includes connecting in series with the coaxial superconducting cable an inductive element, preferably made from a superconducting material.

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